

Physicochemical Properties of Polymers, by
Yu. B. Lipatov. 576 pp approx.
Russian, bk, Fiziko-khimicheskaia Evolutsa
Polimerov, 1970.
CONSULTANTS BUREAU/PLANNING PRESS

sci/physchem
sept 69

390,867

Rapid Determination of Oxygen Content During
Steel Melting and Tapping by one method, by
L. P. Parin.
RUSSIAN, per, Fiz. Khim. Teplofizicheskie
Protsessy Kristalizatsii, Stalnyi Slitkov,
Moscow, 1965, 26, 1967.
*REF 7406

sci/ materials
sept 69

Physics of Comets and Meteors,
RUSSIAN, bk, Fizika Komet i Meteorov, 1965,
pp 1-91.
CFSTI TT 67-51213
NASA TT F-340 *changed*
430

Sci-Astron & Astro
Feb 67

319,110

Comet Physics: Interdepartmental Collection.
RUSSIAN, bk, Fizika Komet: Mezhvedomstvennyi
Sbornik, Maikova Dumka.
PLENUM PRESS

Sci/Physics
Aug 67

336,628

Physics of Crystal Dielectrics, by
I. S. Zheludev.
RUSSIAN, bk, Fizika Kristallicheskikh
Dielektrikov, 1968.
PLENUM PRESS

Sci-Phys
Jan 69

373,533

The Physics of Ice, by V. V. Bogorodskiy, 157 pp.
RUSSIAN, bk, Fizika l'da, 1970.
NTIS TT 70-50158

July 71

Physics of the Moon and Planets, 116 pp.
RUSSIAN, bk, Fizika Luny i Planet, 1966,
pp 1-112.
NASA TT F-502

Sci-Astron
Oct 69

393,415

Photometric Study of the Lunar Surface
Relief in the Vicinity of Kepler's
Crater, by L. R. Lisina.
RUSSIAN, per, Fizika Luny i Planet,
1966, pp 95-109
NTC 72-12334-03B

July 72

D. Ya. Martynov

Physics of the Moon and Planets International Symposium, October 15-22, 1968, Kiev.

Fizika luny i planet. Mezhdunarodnyy Simpozium, 15-22 Oct. 1968, Kiev. "Nauka" Press, Moscow, 1972.

472pp.

*NTIS-TT-73-58026

NASA TT F-772

Apr 73

Possibilities of application of Television in Public Instruction, by N. Rely. 21 p.
RUSSIAN, FOR, Riziko-Internationalnoe izdanie,
Vol 3, No 2, 1965, pp 121-133.
FTD-HT-66-752

Sci/Behavioral & Social Sci
Dec 57

548,872

Second Congress of Bulgarian Mathematicians,
29 August-7 September 1967, 27 pp.
BULGARIAN, per, Fiziko-Matematicheskoe Spisanie,
Vol 10, No 1, Oct-Dec 1967, pp 251-270.
JPRS 45,618

Sci/Math Sci
Aug 68

361,369

Physiology, Medicine, and Technical Progress,
by Ye. B. Babakiy and V. V. Parin, 101 pp.
MINNIAN, Lk, Fiziologiya, Meditsina i Tekh-
nicheskii Progress, 1965, pp. 3-139.
JPRS 33846

USSR
Sci-B/M
Dec 65

292,560

The Physics of Slow Positrons and Atomic Processes,
by P. U. Arifov.
RUSSIAN, bk, Fizika Medlennyykh Pozitronov i Atomnye
Protsessy, 1971.
1981

May 71

U. I. Moiseyenko

Effect of temperature and pressure on some physical
properties of rocks. 8 pp.

RUSSIAN, Fiziko mekhanicheskiy svoystva gornyykh porod
verkhney chasti zemnoy kory. Doklady simpozii, 1968,
pp 148-152

AIR/FTD-MT-24-1965-71

oct 72

"Physical and Mechanical Properties of Fiber-Glass
Reinforced Plastics" (A Collection of Articles),
by Yu. M. Molchanova. 311 pp.

RUSSIAN, bk, Fizicheskiye i Mekhanicheskiye
Svoystva Stakloplastikov, 1969, pp 1-267.

AIR/FTD/HT-24-96-70

ARM/FSTC-HT-23-660-70

Sci-Mat

Dec 70

Physiological Mechanisms of the Action of
Accelerations, by A. A. Segeyev.
RUSSIAN, bk. Fiziologicheskiye Mekhanizmy
Deystviya Uskoreniy, 1967, pp 1-399.
*JPRS 16249

Sci-B&M
Sept 67

THE PHYSICS OF METAL COATINGS

SVECHNIKOV V N LANGUAGE-RU COUNTRY-UA

FIZIKA METALLICHESKIKH PLENOK

NAUKOVA DUMKA KIEV 1969 116PP

FSTC-HT-23-2135-72

Some Aspects of Vacuum Technology Used for the
Deposition of Thin Films, by B. S. Danilin.
RUSSIAN, rpt, Fizika Metallicheskich Plenok.
Metallofizika, No 26, 1969, pp 77-87.
NTC-71-16101-11F

Jan 72

FIZIKA METALOV I METALLOVIDENIE
(Physics of Metals and
Metallography - monthly)
Translation begins with 1957, Vol. 4
lag time: ca. 11 months

Order from: Pergamon Press, Ltd.,
Hendington Hill Hall
Oxford, OX3, GBW

Annual subscription: £ 60.00
2-year price : £ 109.00
Single issues : £ 5.50
Back numbers can be supplied.

or
Order from: Pergamon Press Inc.,
Maxwell House,
Fairview Park,
Elmsford, N.Y. 10523

Annual subscription: \$ 150.00
2-year price : \$ 270.00
Single issues : \$ 14.00

view

Effect of Alloying on the Temperature
Dependence of the Normal Modulus or the
Elasticity of Titanium, by S. P. Kovtun,
N. A. Ul'yanov, 10 pp.
RUSSIAN, per, Fiz Metallov i Metalloy,
Vol XIX, No 2, 1965, pp 263-267. 9699007
FTD-TT-65-1462

Sci - M/M
Feb 66

294,809

Strength of Nickel and Iron Films Obtained by
Vacuum Condensation, by L. S. Palatnik.
RUSSIAN, per, Pisika Metallov i Metallovedeniye,
Vol 19, No 2, 1965, pp 310-311.
NASA TT P-11,447

Sci
Dec 68

371,121

diffusion of sulfur in iron, by
L. F. Kenoniyuk.
Doklady, per, Fiz. Metal i Metalloidy,
Vol XIX, 1965, pp 311-313.
NASA TT F-9491

Sci-Chem
Nov 65

202,829

Influence of Alloying on the Softening and
Heat Resistance of Chromium-Nickel Austenite,
by M. M. Zhteynberg, V. K. Parafonov, E. G.
Tret'yakova and D. A. Mirzoyev, 10 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 19, No 3, Mar 1965, pp. 411-417.
JPRS 30501

USSR
Sci-M/M
Jun 65

281,601

X-Ray Diffraction Study of Super-Saturated
Solid Solution Decomposition in Ticonal
Alloy, by L. M. Magat,
RUSSIAN, per, Fiz. Metal. i Metallov., Vol
XIX, No 4, 1965, pp 521-529.
MLL 5828.4 1965 (5809)

Sci-encul Sci
Apr 67

522,943

High-Temperature Failure of Metals Under
the Action of Ultrasonic Vibrations, by
Yu. P. Balnisev.

RUSSIAN per, Fizika Metallov i Metallo-
vedenie, vol 19, No 5, 1965, pp 735-740.

ID 6482

Sci/M&M
Nov 65

292,067

Properties of Iron Purified by Electron-Beam
Zone Melting. by V. I. Shiryayev and V. D.
Pautov, 5 pp.
RUSSIAN, per. Fizika Metallov i Metallovedeniye.
Vol 20, No 4, Oct 1965, pp. 566-569.
JPRS 37746

USSR
Sci-Materials
Oct 66

311,853

Physical Factors Responsible for the
straightening of a Niminoc-Type Alloy, by
N. L. Baturinskaya and V. G. Chernyi,
RUSSIAN, per, Fiz. Metal. i Metallov., Vol
XX, No 4, 1965, pp 579-586.
NLL 9022.4B 1966 (66/5)

Sci-Phys
Apr 67

322,795

The Origin of Internal Stresses in electro-
deposited Metals, by N. Y. Popereva,
RUSSIAN, per, Fiz. Metal. i Metallov., Vol
XX, No 5, 1965, pp 753-762.
NLL 9022.4 (66/67)

Sci-Mech
Apr 67

524,161

Neutron Diffraction Study of Ordered Ni-Mn
Alloys, by S. K. Sidorov and A. V. Doroshenko,
RUSSIAN, For, Fiz. Metal. Metallurg., Vol
XX, 1965, pp 850-859.
AEC ARL-Tr-344

Sci-Materials
Nov 66

313,701

The Theory of Ultrasonic Absorption in
Metals, by Yu. A. Kashlev.
RUSSIAN, per, Fiz Metallov i Metalloved.
Vol XXI, No 1, 1966, pp 3-11.
Dept of Navy 4800/APL/JHU T-1872

Sci - M/M
Aug 66

305,651

Work Functions of W-Hf, Ta-Hf, Nb-Hf, Re-Hf,
Mo-Hf and V-Hf Alloys, by B. Ch. Dyukin and O.

K. Kuznetsov, et al.

RUSSIAN, per, Pliska Metallor i Metallovedeniya,
Vol 21, No 3, 1966, pp 396-402.

P100327667

FTD-HT-66-766

Sci-Materials
Dec 67

344,438

Structure of the Energy Electron Spectrum of
Nickel in Some Solid Solutions, by I. V. Lavich.
RUSSIAN, per, High Metal i Metalloy, Vol 21, No
4, 1966, pp 632-634.
NII 9022.4 (66/219)

Soc-Phys
Jul 68

361,605

Some properties of Co-W Alloy, by A. G. Rabin'kin.
RUSSIAN, per. iis metal i metallov. Vol 21, No 5,
1966, pp 688-692.
NLL 9022.4 (66/227)

Sci-Phys
Jul 68

361,603

Aging of Beryllium-Chromium and Beryllium-
Zirconium Alloys, by I. G. D'yakov and I. I.
Papirov, et al.
RUSSIAN, per, Izvestiya Akademiya Nauk SSSR, Metallovedeniya,
Vol XXI, No 5, 1966, pp 785-786.
ATD 66-104

Sci-Chem
Doc 66

315,502

The Width of the Homogeneity Region of Inter-metallic Phases in the Nb-Sn and V-Ga Systems,
by V. S. Kogan and S. G. Lazarev, et al,
RUSSIAN, per, Fizika Metallov i Metallove-
deniya, Vol XXI, No 6, 1966, pp 828-832.
NTD 66-101

Sci-Phys
Dec 66

315,495

Effect of Quenching on the Magnetic Sus-
ceptibility of Palladium Alloys with
Small Iron Additions, by I. Y. Bekhtyar
and A. S. Podchenko,
RUSSIAN, per, Fiz. Metal. i Metallov., Vol
XXI, No 6, 1966, pp 833-842.
NLL 0022.4 (66/254)

Sci-Phys
Apr 67

324,010

The effect of Intermediate conditions in the
Process of Steel Fatigue on Steel Durability.
by L. I. GILLESSEN, V. P. TEKAT. L. S.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 22, No 1, pp 78-81. 1966. P100291867
FTD-HT-67-133

Sci/Materials
Nov 67

352,169

The Problem of Satellites and Modulated Structure
in Alloys Based on the System Fe-Ni-Al. by L. N.
Mazet, G. M. Makarova.
RUSSIAN, per. Fiz Metal Metalloy, Vol 22, No 2,
1966, pp 262-264.
NIL Ref: 9022.4 (67/36)

Sci-Mat
Aug 68

363.681

Influence of Specimen Size on the Formation of the
Magnetic Properties of a Cobalt-Platinum Alloy.
by V. V. Parfenov.
RUSSIAN, per. High Metal & Metallurgy. Vol 22, No 4.
1966, pp 563-568.
NII Ref: 9082.4 (67/60)

Sci-Nat
Aug 68

363,682

X-ray Structure, Electron Structure, and Properties
of Metallic Compound of Titanium, by S.A. Nemno-
nov, K.M. Kolchava,
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 22, No 5, 1966 Nov, PP 680-692
*NASA TT-F 11,368

Sci-Materials
Oct 67

Effect of Temperature and Degree of Deformation
in Thermochemical Working of Nickel on its
Heat Resistance, by M.G. Lozinukiy,
N.Z. Pertsovskiy. 10 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 2, 1967, pp 262-267.
AIR/FTD/MT-23-366-68

sci/materials
may 69

380,107

Changes in Structure and Substructure of
Deformed Polyethylene on Heating, by
M.L. Bershteyn, V.G. Lyutskan, et al. 5 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye
Vol 23, No 2, 1967, pp 340-342.
AIR/PTI/IT-23-366-68

sci/materials
may 69

380,108

Calculating the Surface Energy of Metals with a
Body-Centered Lattice, by Yu. S. Avraamov &
A. G. Gromov.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 3, 1967, pp 405-408.
NASA TT F-11,555

Sci/Phys
Apr 68

351,412

Influence of Structural Condition on the Magnetic
Properties of a Cobalt-Platinum Alloy, by D. D.
Mishin, V. S. Boidenko.
RUSSIAN, per, Fiz Metal Metallov, Vol 23, No 3,
1967, pp 570-572.
NIL Ref: 9022.4 (67/270)

Sci-Mat
aug 68

363,611

On the Theory of Field Emission in Super-
conductors, by G. A. Gogadze, I. O. Kulik.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 4, 1967, pp 606-615.
NASA TT F-11,281

Sci-Electr
Jan 68

348,674

Excitation of Surface Plasma Waves by a Charge
Moving Parallel to the Metal-Vacuum Interface,
by G. A. Meglashvili, A. L. Gorobryakyan. 7 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 4, 1967, pp 616-619.
AIR/PTD/HU-23-367-68

sci/physics
apr 69

377,973

Theory of Ultrasound Absorption by Free Electrons
in a Metal in a Quantizing Magnetic Field,
Part I, by B. N. Filippov.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 5, 1967, pp 769-785.
NASA TT F-11,417

Sci/Electr
Mar 68

351,145

Toward a Theory of Nuclear Magnetic Resonance
in Paramagnetics With Low Magnetic-Nucleus
Concentrations, I, by Ye. A. Turov, B.I. Kurkin.
et al. 12 pp.

RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 5, 1967, pp 786-795.
AIR/PTD/MI-23-390-68

sci/physics
may 69

380,146

Theory of the Thermal Conductivity of Metals with
Crystal Structure Defects, by A. M. Yermolayev.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 5, 1967, pp 813-818.
NASA TT F-11,418

Sci/Phys
Mar 68

351,162

Theory of the Energy Spectrum and Properties of
Metals with Impurities, by O. B. Solokov &
V. Ye. Maysh.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 23, No 5, 1967, pp 819-830.
NASA TT F-11,419

Sci/Phys
Mar 68

351,156

Indirect Quadrupole-Quadrupole Interactions of
Nuclei in Metals, by A. R. Kessel.
RUSSIAN, per. Fizika Metallov i Metallovedeniye,
Vol 23, No 5, 1967, pp 837-844.
NASA TT F-11,420

Sci/Chem
Mar 68

351,150

Mutual Diffusion of Niobium and Metals of
Groups IVA, Va, and VIA, by D. A. Prokoshkin.
RUSSIAN, per, Fizika Metallov i Metallovedeniya,
Vol 23, No 6, 1967, pp 1134-1136.
AFID-HT-23-967-68

AIR/AFID/HT-23-967-68

Sci/Mat
Oct 68

Structural Changes During the Creep of an
Austenitic Alloy, by V. I. Syreishchikova.
RUSSIAN, par, Fiz Metallov Metallovedenie, Vol 24,
No 2, 1967, pp 374-376.
NIL Ref: 9022.4 (68/31)

Sci/Mat
Mar 69

376,939

Study of Mutual Diffusion in the Ni-Cr System,
by Y. Ye. Ugaste.
RUSSIAN, per, Fiz Metal i Metallov, Vol 24,
No 3, 1967, pp 442-449.
NLL Ref: 9022.4 (68/292)

Sci-Chem
Oct 69

395,188

Influence of Carbon on the Curie Point of
Austenite in Iron-Nickel Alloys, by
I. Y. Geogiava, O. P. Maksimova.
RUSSIAN, per, Fiz. Metall. Metallov.
Vol 24, No 3, 1967, pp 574-576.
NII Ref: 9022.4 (68/51)

Sci-Mat.

Structural Changes During the Maraging of
a Nickel-Titanium Steel, by A. Edneral.
RUSSIAN, per, Fig. Metall. i Metallov,
Vol 24, No 4, 1967, pp 669-676.
NLL Ref: 9022.4 (68/53)

Sci-Mat
Jan 69

372,650

Behaviour of Carbon in Quenched Steel, by
G. V. Kurdymov.

RUSSIAN, per, Fiz. Metall. i Metallov.

Vol 24, No 5, 1967, pp 909-917.

NIL Ref: 9022.4 (68/54)

Sci-Mat
Jan 69

323.615

On the Recrystallization of High-Coercivity
Alnico and Ticonal Alloys, by
G. I. Nikolayeva.
RUSSIAN, per, Fiz Metallov, Vol 24,
No 6, 1967, pp 1127-1129.
NLL Ref: 9022.4 (68/227)

Sci-Phys
May 69

380,805

Method of Determining Diffusion Factor in X-Ray
Studies, by R. L. Fogel'son, 7 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Moscow, Vol 25, No 3, 1968, pp 472-496.
JPRS 51124

Sci-Mat
Aug 70

Some Problems of Diffusion, by R. L. Fogelson,
10 pp.
RUSSIAN, per, Fiz Metal Metalloved, Vol 25, 1968,
AEC/UCRL-Tr-1384 *pp 573*

Sci/Phy
Jun 69

384,630

/// (AI-Trans-284) HARDENING OF ALUMINUM IN
LOW-TEMPERATURE PRE-DEFORMATION AND THE DIS-
ORIENTATION OF MOSAIC BLOCKS. Betekhtin, V. I.; Petrov,
A. I. Translated for Atomic International, Canoga Park,
Calif., from Fiz. Metal. Metalloved.; 25: 726-9(1968). 5p.

metallurgy; translations

ND-25 P RC

Unlimited

*Magnetic Properties of Internally Oxidized
Electrotechnical Steel E1, by E.V. Mikhayeva,
RUSSIAN, per. Metallurgiya, Vol 86,
No 4, 1968, pp 739-741
NLL Ref: 9023.401 (746-251)*

*sci/materials
aug 70*

*Anisotropy of the Influence of Surface Nickel
Film on the Magnetic Properties of an Fe-Si
alloy, by E.A. Prokopychenko.*

*RUSSIAN, per. Fiz. met. i metalloved, Vol 26,
No 4, 1969, pp 745-747*

NLL Ref: 9022.401 (746-250)

*sci/materials
aug 70*

Influence of Stacking-fault Energy on the Creep
of FCC Metals, by V. I. Shalgrev.
RUSSIAN, per, Fiz Metallov Metalloved, Vol 27,
No 2, 1969, pp 331-338.
NLL Ref:9022.401 (746-232)

Sci-Materials
p. 70

401,470

70-13308-11F

Nemimov, S. A.; Kurmacy, E. Z.

ORIGIN OF LONG WAVELENGTH SATELLITES IN
X-RAY SPECTRUMS OF COMPOUNDS CONTAINING
CARBON, OXYGEN, AND NITROGEN. Fizika Metallov i
Metallurgiya, v. 27, n. 5, p. 816-821, 1969.

Order from NTC as 70-13308-11F: HC \$ 7.60, MF \$ 5.60.

On the Diffusion Mechanism in Transition-Metal
Monocarbides, by V. N. Zagriazkin. *V.F.*
RUSSIAN, per, Fizika Metallov i Metallovedenie, Vol 28,
1969, pp 292-297.

NTC-71-10243-11F

AEC/LA 6. 70 20

Nov 71

LA-471-14) SELF-DIFFUSION OF CARBON IN
CARBIDES OF GROUP IV AND V TRANSITION METALS. An-
driyevskii, R. A.; Klimenko, V. V.; Khromov, Yu. F. 10Translated
by Helen Dahlby (Los Alamos Scientific Lab., N. Mex.), from 15Fiz.
Metal. Metalloved.; 28: 298-303(1969). 208p. 24Dep. NTIS.

28metallurgy; translations 2711F

28MN-25 20P NSA

Martensitic Conversion in Fe-Ni-Co Alloys, by
D. A. Mirzayev, 14 pp.
RUSSIAN, per, Fiz Metallov i Metallov, Vol 28, No 2,
1969, pp 362-368.
AEC/SC-T-70-4036

Sci/Mater
Nov 70

Plastic Deformation and Dislocation Density in Crystal
Growing by Means of the Bridgeman Method, by
S. V. Tsivinskiy, L. A. Moslova, 13 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol. 28, No 3, 1969, pp 487-495.
ARM/FSTC/HT-23-1117-70

March 71

Investigation of Deformation in Shock Loading of
Zinc Monocrystals, by A. A. Mogilevskiy, 12 pp.
RUSSIAN, per, Fizika Metallov i Metalloveniy,
Vol 28, No 3, 1969, 508-517.
ARM/FSTC/HT-23-1126-70

March 71

Macro- and Microdeformation at Mo and Mo-Re
Polycrystals in Uniaxial Extension, by
M. A. Gosalov, V. I. Batakhtin, 6 pp.
RUSSIAN, per, Fizika Metallov i Metalloveniy,
Vol 28, No 3, 1969, pp 542-544.
ARM/PTIC/HT-23-1127-70

Recrystallization of Heterogeneous Al-Cu Alloys, by
A. F. Polesya, V. M. Pasal'skiy, 9 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 28, No 4, 1969, pp 661-667.
ARM/FSTC/HT-23-532-71

Sept 71

LA-4771-13) ENTHALPY OF ACTIVATION OF
CARBON SELF-DIFFUSION IN CUBIC CARBIDES. Oshcherin,
B. N. Translated by Helen Dahlby (Los Alamos Scientific Lab.,
N. Mex.), from Fiz. Metal. Metalloved.; 29: 300-4 (1970). 209p.
Dep. NTIS.

metallurgy; physics (solid-state); translations 2711F, 20L

MN-25 P NSA

Effect of Cooling Rate on the Super Cooling
of Metallic Melt, by I. S. Mikoshnichenko.
RUSSIAN, per, Fizika Metallov i Metallovedenie,
Vol 29, No 3, 1970, pp 664-666.
NTC-71-11492-11F

Nov 71

Structure and Coordinated Movement of a Group of People
by A. A. Pavlyukov.
RUSSIAN, per, ~~English translation~~
Vol 29, No 4, 1970, pp 180-186.
CMB-5523

June 71

Structure and Mechanical Properties of
Formed Densities, by S. K. Kuznetsov
P. O. Tikhonov. 6 pp.
RUSSIAN, per, Plasma Metallurgy, L. M. Kuznetsov
(Physics of Metals and Metal Structures), Vol. 29,
No. 5, 1970, pp 1057-1060.
AIR/PTD/HT-23-888-70

Journal of the American Statistical Association, Vol 29,
No 5, 1970, pp 1057-1080.
AIR/FTD/HR-23-886-70

July 70

Oxidation of Metals in an Unsteady
(Transient) Region at High Temperatures.
Part III. Method of Calculating the
Oxygen Diffusion Coefficient in a
Metal (Titanium), by V. I. Tikhomirov.
RUSSIAN, per, Fizika Metallov i
Metallovedenie, Vol 30, No 1, 1970,
pp 111-115
NTC 72-11499-11F

NASA TT F 13,504

June 72

V. V. Vozneseniak11

Electron-Microscopic and Metallographic Study
of Substructure During High-Temperature Creep.
RUSSIAN, per, Fizika Metallov i Metallovedenie,
Vol 30, No 2, 1970, pp 384-390
NTC 72-13326-11F

Oct 72

V. A. Goltdov

Effect of K-State on Diffusion and Solubility
of Hydrogen and Mechanical Properties of 20Cr-
80Ni Alloy.

RUSSIAN, per, Elektra Metall i Metallovedenie,
Vol 30, 1970, pp 957-962

NTC 72-12800-11F

sept 72

Ugaste, Yu. E.

Reciprocal Diffusion in Pd-Cr System.

FIZIKA METALLOV I METALLOVEDENIE, Vol 30, No 5,

pp 1107-1108, 1970

NTC-72-14858-11F

Feb 73

Coefficients of Hydrogen Diffusion in Iron-
Silicon Alloys, by V. I. Saito,
RUSSIAN, per, Fizika Metallov i Metallovedenie,
Vol 30, No 5, 1970, pp 1119-1120.
NTC-71-16187-11F

Jan 72

Effect of Manganese on Magnetic, Thermal,
Elastic and Electric Properties of
Iron-Nickel Invar Alloys, by
V. M. Kalinin.

RUSSIAN, per, Fizika Metalloy i
Metallovedenie, Vol 31, No 1, 1971,
pp 90-94

NTC 72-12113-11F

July 72